BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

LINES

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images, please do not report the images to the Image Problem Mailbox.

Claims:

What is claimed is:

1. A connector apparatus for allowing quick electrical and mechanical coupling and decoupling of a display to a support member disposed within a vehicle, the apparatus comprising:

(a) a first mounting component for the display, the first mounting component having a first engaging member and a first electrical connector; and

(b) a second mounting component for the support member disposed within the vehicle, the second mounting component including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, the second engaging member being configured to engage with the first engaging member to physically support the display on the support member disposed within the vehicle, while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors.

2. The connector apparatus of claim 1, wherein the first engaging member and the second engaging member are shaped so as to prevent accidental decoupling of the display from the support member.

3. The connector apparatus of claim 1, wherein engagement of the first engaging member and the second engaging member supports substantially all of the weight of the display.

4. The connector apparatus of claim 1, further comprising securing means for securing the first mounting component to the second mounting component when the first engaging member and the second engaging member are engaged.

5. The connector apparatus of claim 1, wherein the first and second electrical connectors mechanically engage one another when the first and second mounting components are mechanically engaged.

6. The connector apparatus of claim 1 wherein one of the first engaging member and the second engaging member includes an insertion portion and the other of the first engaging member and the second engaging member includes a cavity adapted to receive the insertion portion, the cavity having a leading portion for receiving the insertion portion upon insertion thereof into the cavity and that is wider than a non-leading portion of the cavity adapted to receive the insertion portion subsequent to insertion thereof into the leading portion of the cavity.

7. A connector apparatus for allowing quick electrical and mechanical coupling and decoupling of a display to a support member disposed at a wall, the apparatus comprising:

(a) a first mounting component for the display, the first mounting component having a first engaging member and a first electrical connector; and

(b) a second mounting component for the support member disposed at the wall, the second mounting component including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, the second engaging member being configured to engage with the first engaging member to physically support the display on the support member, while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors.

8. The connector apparatus of claim 7, wherein the first engaging member and the second engaging member are shaped so as to prevent accidental decoupling of the display from the support member.

9. The connector apparatus of claim 7, wherein engagement of the first engaging member and the second engaging member supports substantially all of the weight of the display.

10. The connector apparatus of claim 7, further comprising securing means for securing the first mounting component to the second mounting component when the first engaging member and the second engaging member are engaged.

11. The connector apparatus of claim 7, wherein the first and second electrical connectors mechanically engage one another when the first and second mounting components are mechanically engaged.

12. The connector apparatus of claim 7, wherein one of the first engaging member or the second engaging member includes an insertion portion and the other of the first engaging member or the second engaging member includes a cavity adapted to receive the insertion portion, the cavity having a leading portion for receiving the insertion portion upon insertion thereof into the cavity and that is wider than a non-leading portion of the cavity adapted to receive the insertion portion subsequent to insertion thereof into the leading portion of the cavity.

13. A mounting component for a support member disposed within a vehicle for supporting a display on the support member so as to allow quick electrical and mechanical coupling and decoupling of the display to the support member, the mounting component comprising:

(a) a first engaging member; and

(b) a first electrical connector;

wherein the mounting component is configured for selective coupling to a second mounting component mounted on a display and including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, so that when the first engaging member engages the second engaging member, the display will be physically supported on the support member in the vehicle while the first electrical connector concurrently electrically couples the second electrical connector to also cause electrical communication between the two electrical connectors.

14. The mounting component of claim 13, wherein the first engaging member is shaped so that, upon engagement thereof with the second engaging member, accidental decoupling of the display from the support member is prevented.

15. The mounting component of claim 13, wherein the first engaging member is adapted to support substantially all of the weight of the display upon engagement of the first engaging member with the second engaging member.

16. The mounting component of claim 13, further comprising securing means for securing the first mounting component to the second mounting component

when the first engaging member and the second engaging member are engaged.

17. The apparatus of claim 13, wherein the first engaging member includes an insertion portion that is adapted to be received within a cavity on the second engaging member having a leading portion for receiving the insertion portion of the first engaging member upon insertion thereof into the cavity where the leading portion of the cavity is wider than a non-leading portion of the cavity adapted to receive the insertion portion of the first engaging member subsequent to insertion thereof into the leading portion of the cavity.

18. The mounting component of claim 13, wherein the first engaging member includes a cavity for receiving at least part of the second engaging member, the cavity having a leading portion for receiving the at least part of the second engaging member upon insertion thereof into the cavity, the leading portion of the cavity being wider than a non-leading portion of the cavity adapted to receive the at least part of the second engaging member subsequent to insertion thereof into the leading portion of the cavity.

19. A mounting component for a support member disposed at a wall for supporting a display on the support member so as to allow quick electrical and mechanical coupling and decoupling of the display to the support member, the mounting component comprising:

(a) a first engaging member; and

(b) a first electrical connector;

wherein the mounting component is configured for selective coupling to a second mounting component mounted on a display and including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, so that when the first engaging member engages the second engaging member, the display will be physically supported on the support member at the wall while the first electrical connector concurrently electrically couples the second electrical connector to also cause electrical communication between the two electrical connectors.

20. The mounting component of claim 19, wherein the first engaging member is shaped so that, upon engagement thereof with the second engaging member, accidental decoupling of the display from the support member is prevented.

21. The mounting component of claim 20, wherein the first engaging member is adapted to support substantially all of the weight of the display upon engagement of the first engaging member with the second engaging member.

22. The mounting component of claim 20, further comprising securing means for securing the first mounting component to the second mounting component

when the first engaging member and the second engaging member are engaged.

23. The mounting component of claim 19, wherein the first engaging member includes an insertion portion that is adapted to be received within a cavity on the second engaging member having a leading portion for receiving the insertion portion of the first engaging member upon insertion thereof into the cavity where the leading portion of the cavity is wider than a non-leading portion of the cavity adapted to receive the insertion portion of the first engaging member subsequent to insertion thereof into the leading portion of the cavity.

24. The mounting component of claim 19, wherein the first engaging member includes a cavity for receiving at least part of the second engaging member, the cavity having a leading portion for receiving the at least part of the second engaging member upon insertion thereof into the cavity, the leading portion of the cavity being wider than a non-leading portion of the cavity adapted to receive the at least part of the second engaging member subsequent to insertion thereof into the leading portion of the cavity.

25. A connector apparatus for allowing quick electrical and mechanical coupling and decoupling of a display substantially limited to displaying results of computer operations performed remote from the display to a support member, the apparatus comprising:

(a) a display having a first mounting component, the first mounting component having a first engaging member and a first electrical connector; and

(b) a second mounting component for the support member, the second mounting component including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, the second engaging member being configured to engage with the first engaging member to physically support the display on the support member, while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors.

26. The connector apparatus of claim 25, wherein the first engaging member and the second engaging member are shaped to prevent accidental decoupling of the display from the support member.

27. The connector apparatus of claim 25, wherein engagement of the first engaging member and the second engaging member supports substantially all of the weight of the display.

28. The connector apparatus of claim 25, further comprising securing means for securing the first mounting component to the second mounting component

when the first engaging member and the second engaging member are engaged.

29. The connector apparatus of claim 25, wherein the first and second electrical connectors mechanically engage one another when the first and second mounting components are mechanically engaged.

30. The connector apparatus of claim 25, wherein one of the first engaging member or the second engaging member includes an insertion portion and the other of the first engaging member or the second engaging member includes a cavity adapted to receive the insertion portion, the cavity having a leading portion for receiving the insertion portion upon insertion thereof into the cavity and that is wider than a non-leading portion of the cavity adapted to receive the insertion portion subsequent to insertion thereof into the leading portion of the cavity.

31. A display substantially limited to displaying results of computer operations performed remote from the display, and having a mounting component for allowing quick electrical and mechanical coupling and decoupling of the display to a support member, the mounting component comprising:

(a) a first engaging member; and

(b) a first electrical connector;

wherein the mounting component is configured for selective coupling to a second mounting component mounted on the support member and including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, so that when the first engaging member engages the second engaging member, the display will be physically supported on the support member while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors.

32. The display of claim 31, wherein the first engaging member is shaped so that, upon engagement thereof with the second engaging member, accidental decoupling of the display from the support member is prevented.

33. The display of claim 31, wherein the first engaging member is adapted to support substantially all of the weight of the display upon engagement of the first engaging member with the second engaging member.

34. The display of claim 31, further comprising securing means for securing the first mounting component to the second mounting component when the first engaging member and the second engaging member are engaged.

35. The display of claim 31, wherein the first and second electrical connectors mechanically engage one another when the first and second mounting components are mechanically engaged.

36. The display of claim 31, wherein the first engaging member includes an insertion portion that is adapted to be received within a cavity on the second engaging member having a leading portion for receiving the insertion portion of the first engaging member upon insertion thereof into the cavity where the leading portion of the cavity is wider than a non-leading portion of the cavity adapted to receive the insertion portion of the first engaging member subsequent to insertion thereof into the leading portion of the cavity.

37. The display of claim 31, wherein the first engaging member includes a cavity for receiving at least part of the second engaging member, the cavity having a leading portion for receiving the at least part of the second engaging member upon insertion thereof into the cavity, the leading portion of the cavity being wider than a non-leading portion of the cavity adapted to receive the at least part of the second engaging member subsequent to insertion thereof into the leading portion of the cavity.

38. A connector apparatus for allowing quick electrical and mechanical coupling and decoupling of a display having a screen surface, a rear surface and four edges, to a support member, the apparatus comprising:

(a) a first mounting component for a rear surface of the display, the first mounting component having a first engaging member and a first electrical connector; and

(b) a second mounting component for the support member, the second mounting component being devoid of elements for receiving an edge or edges of the display and including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, the second engaging member being configured to engage with the first engaging member to physically support the display on the support member, while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors, wherein because the first mounting component adapted for the rear surface of the display and the second mounting component is devoid of elements for receiving an edge or edges of the display, the apparatus is adapted to support a display of variable size.

39. The connector apparatus of claim 38, wherein the first engaging member and the second engaging member are shaped to prevent accidental decoupling of the display from the support member.

40. The connector apparatus of claim 38, wherein engagement of the first engaging member and the second engaging member supports substantially all of the weight of the display.

41. The connector apparatus of claim 38, further comprising securing means for securing the first mounting component to the second mounting component when the first engaging member and the second engaging member are engaged.

42. The connector apparatus of claim 38, wherein the first and second electrical connectors mechanically engage one another when the first and second mounting components are mechanically engaged.

43. The connector apparatus of claim 38, wherein the first engaging member includes an insertion portion that is adapted to be received within a cavity on the second engaging member having a leading portion for receiving the insertion portion of the first engaging member upon insertion thereof into the cavity where the leading portion of the cavity is wider than a non-leading portion of the cavity adapted to receive the insertion portion of the first engaging member subsequent to insertion thereof into the leading portion of the cavity.

44. The connector apparatus of claim 38, wherein the first engaging member includes a cavity for receiving at least part of the second engaging member, the cavity having a leading portion for receiving the at least part of the second engaging member upon insertion thereof into the cavity, the leading portion of the cavity being wider than a non-leading portion of the cavity adapted to

receive the at least part of the second engaging member subsequent to insertion thereof into the leading portion of the cavity.

45. A connector apparatus for allowing quick electrical and mechanical coupling and decoupling of a display to a support member disposed on a rear portion of a seat, the apparatus comprising:

(a) a first mounting component for the display, the first mounting component having a first engaging member and a first electrical connector; and

(b) a second mounting component for the support member disposed within the vehicle, the second mounting component including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, the second engaging member being configured to engage with the first engaging member to physically support the display on the support member on the rear portion of the seat, while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors.

46. The connector apparatus of claim 45, wherein the first engaging member and the second engaging member are shaped so as to prevent accidental decoupling of the display from the support member.

47. The connector apparatus of claim 45, wherein engagement of the first engaging member and the second engaging member supports substantially all of the weight of the display.

48. The connector apparatus of claim 45, further comprising securing means for securing the first mounting component to the second mounting component when the first engaging member and the second engaging member are engaged.

49. The connector apparatus of claim 45, wherein the first and second electrical connectors mechanically engage one another when the first and second mounting components are mechanically engaged.

50. The connector apparatus of claim 45, wherein one of the first engaging member or the second engaging member includes an insertion portion and the other of the first engaging member or the second engaging member includes a cavity adapted to receive the insertion portion, the cavity having a leading portion for receiving the insertion portion upon insertion thereof into the cavity and that is wider than a non-leading portion of the cavity adapted to receive the insertion portion subsequent to insertion thereof into the leading portion of the cavity.

51. A mounting component for a support member disposed on a rear portion of a seat for supporting a display on the support member so as to allow quick

electrical and mechanical coupling and decoupling of the display to the support member, the mounting component comprising:

(a) a first engaging member; and

(b) a first electrical connector;

wherein the mounting component is configured for selective coupling to a second mounting component mounted on a display and including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, so that when the first engaging member engages the second engaging member, the display will be physically supported on the support member on the rear portion of the seat while the first electrical connector concurrently electrically couples the second electrical connector to also cause electrical communication between the two electrical connectors.

52. The mounting component of claim 51, wherein the first engaging member is shaped so that, upon engagement thereof with the second engaging member, accidental decoupling of the display from the support member is prevented.

53. The mounting component of claim 51, wherein the first engaging member is adapted to support substantially all of the weight of the display upon engagement of the first engaging member with the second engaging member.

54. The mounting component of claim 51, further comprising securing means for securing the first mounting component to the second mounting component when the first engaging member and the second engaging member are engaged.

55. The mounting component of claim 51, wherein the first engaging member includes an insertion portion that is adapted to be received within a cavity on the second engaging member having a leading portion for receiving the insertion portion of the first engaging member upon insertion thereof into the cavity where the leading portion of the cavity is wider than a non-leading portion of the cavity adapted to receive the insertion portion of the first engaging member subsequent to insertion thereof into the leading portion of the cavity.

56. The mounting component of claim 51, wherein the first engaging member includes a cavity for receiving at least part of the second engaging member, the cavity having a leading portion for receiving the at least part of the second engaging member upon insertion thereof into the cavity, the leading portion of the cavity being wider than a non-leading portion of the cavity adapted to

receive the at least part of the second engaging member subsequent to insertion thereof into the leading portion of the cavity.

57. A connector apparatus for allowing quick electrical and mechanical coupling and decoupling of a display to a support member, the apparatus comprising:

(a) a first mounting component for the display, the first mounting component having a first engaging member and a first electrical connector; and

(b) a second mounting component for the support member, the second mounting component including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, the second engaging member being configured to engage with the first engaging member to physically support the display on the support member, while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors, and wherein the first engaging member and the second engaging member are shaped so as to prevent unintentional decoupling of the display from the support member.

58. The connector apparatus of claim 57, wherein engagement of the first engaging member and the second engaging member supports substantially all of the weight of the display.

59. The connector apparatus of claim 57, further comprising securing means for securing the first mounting component to the second mounting component when the first engaging member and the second engaging member are engaged.

60. The connector apparatus of claim 57, wherein the first and second electrical connectors mechanically engage one another when the first and second mounting components are mechanically engaged.

61. The connector apparatus of claim 57, wherein one of the first engaging member or the second engaging member includes an insertion portion and the other of the first engaging member or the second engaging member includes a cavity adapted to receive the insertion portion, the cavity having a leading portion for receiving the insertion portion upon insertion thereof into the cavity and that is wider than a non-leading portion of the cavity adapted to receive the insertion portion subsequent to insertion thereof into the leading portion of the cavity.

62. A mounting component for allowing quick electrical and mechanical coupling and decoupling of a display to a support member, the mounting component comprising:

(a) a first engaging member; and

(b) a first electrical connector;

wherein the mounting component is configured for selective coupling to a second mounting component mounted on the support member and including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, so that when the first engaging member engages the second engaging member, the display will be physically supported on the support member while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors, and wherein the first engaging member is shaped so that, upon engagement thereof with the second engaging member, accidental decoupling of the display from the support member is prevented.

63. The mounting component of claim 62, wherein the first engaging member is adapted to support substantially all of the weight of the display upon engagement of the first engaging member with the second engaging member.

64. The mounting component of claim 62, further comprising securing means for securing the first mounting component to the second mounting component when the first engaging member and the second engaging member are engaged.

65. The mounting component of claim 62, wherein the first and second electrical connectors mechanically engage one another when the first and second mounting components are mechanically engaged.

66. The apparatus of claim 62, wherein the first engaging member includes an insertion portion that is adapted to be received within a cavity on the second engaging member having a leading portion for receiving the insertion portion of the first engaging member upon insertion thereof into the cavity where the leading portion of the cavity is wider than a non-leading portion of the cavity adapted to receive the insertion portion of the first engaging member subsequent to insertion thereof into the leading portion of the cavity.

67. The apparatus of claim 62, wherein the first engaging member includes a cavity for receiving at least part of the second engaging member, the cavity having a leading portion for receiving the at least part of the second engaging member upon insertion thereof into the cavity, the leading portion of the cavity being wider than a non-leading portion of the cavity adapted to receive the at least part of the second engaging member subsequent to insertion thereof into the leading portion of the cavity.

68. A mounting component mountable to a support member for supporting a display on the support member so as to allow quick electrical and mechanical coupling and decoupling of the display to the support member, the mounting component comprising:

(a) a first engaging member; and

(b) a first electrical connector;

wherein the mounting component is configured for selective coupling to a second mounting component mounted on a display and including a second engaging member having a shape complementary to the first engaging member and a second electrical connector, so that when the first engaging member engages the second engaging member, the display will be physically supported on the support member while the first electrical connector concurrently electrically couples the second electrical connector to also cause electrical communication between the two electrical connectors, and wherein the first engaging member is shaped so that, upon engagement thereof with the second engaging member, accidental decoupling of the display from the support member is prevented.

69. The mounting component of claim 68, wherein the first engaging member is adapted to support substantially all of the weight of the display upon engagement of the first engaging member with the second engaging member.

70. The mounting component of claim 68, further comprising securing means for securing the first mounting component to the second mounting component

when the first engaging member and the second engaging member are engaged.

71. The mounting component of claim 68, wherein the first and second electrical connectors mechanically engage one another when the first and second mounting components are mechanically engaged.

72. The mounting component of claim 68, wherein the first engaging member includes an insertion portion that is adapted to be received within a cavity on the second engaging member having a leading portion for receiving the insertion portion of the first engaging member upon insertion thereof into the cavity where the leading portion of the cavity is wider than a non-leading portion of the cavity adapted to receive the insertion portion of the first engaging member subsequent to insertion thereof into the leading portion of the cavity.

73. The mounting component of claim 68, wherein the first engaging member includes a cavity for receiving at least part of the second engaging member, the cavity having a leading portion for receiving the at least part of the second engaging member upon insertion thereof into the cavity, the leading portion of the cavity being wider than a non-leading portion of the cavity adapted to receive the at least part of the second engaging member subsequent to insertion thereof into the leading portion of the cavity.

74. A system for allowing quick electrical and mechanical coupling and decoupling of a display to a support member, the system comprising

a first component for a housing of the display, the first component having a first electrical connector and a protrusion; and

a second component for the support member, the second component having a second electrical connector and a mating member for engaging with the protrusion to both prevent unintentional disengagement and to physically support the display on the support member, while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors.

75. The system of claim 74, wherein the second component is attached to a wall.

76. The system of claim 74, wherein the second component is attached to a vehicle.

77. The system of claim 74, wherein the protrusion is affixed to the housing at a rear of the display.

78. The system of claim 74, wherein the protrusion is affixed to the housing at a bottom of the display.

79. The system of claim 74, wherein the protrusion is wedge-shaped.

80. The system of claim 74, wherein the display is a computer monitor.

81. A system for allowing quick electrical and mechanical coupling and decoupling of a display to a support member, the system comprising

a first component for the support member, the first component having a first electrical connector and a protrusion; and

a second component for a housing of the display, the second component having a second electrical connector and a mating member for engaging with the protrusion to both prevent unintentional disengagement and to physically support the display on the support member, while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors.

82. The system of claim 81, wherein the first component is attached to a wall.

83. The system of claim 81, wherein the first component is attached to a vehicle.

84. The system of claim 81, wherein the mating member is affixed to the housing at a rear of the display.

85. The system of claim 81, wherein the mating member is affixed to the housing at a bottom of the display.

86. The system of claim 81, wherein the protrusion is wedge-shaped.

87. The system of claim 81, wherein the display is a computer monitor.

88. A system for allowing quick electrical and mechanical coupling and decoupling of a display to a support member, the system comprising

a first component for a housing of the display, the first component having a first electrical connector and a protrusion; and

a second component for the support member, the second component having a second electrical connector and a mating member for engaging with the protrusion to physically support the display on the support member, while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors, wherein the first electrical connector is separated from the protrusion.

89. The system of claim 88, wherein the second component is attached to a wall.

90. The system of claim 88, wherein the second component is attached to a vehicle.

91. The system of claim 88, wherein the protrusion is affixed to the housing at a rear of the display.

92. The system of claim 88, wherein the protrusion is affixed to the housing at a bottom of the display.

93. The system of claim 88, wherein the protrusion is wedge-shaped.

94. The system of claim 88, wherein the display is a computer monitor.

95. A system for allowing quick electrical and mechanical coupling and decoupling of a display to a support member, the system comprising

a first component for the support member, the first component having a first electrical connector and a protrusion; and

a second component for a housing of the display, the second component having a second electrical connector and a mating member for mating with the protrusion to physically support the display on the support member, while the first electrical connector concurrently electrically couples the second electrical connector to permit electrical communication between the two electrical connectors, wherein the protrusion is separated from the first electrical connector.

96. The system of claim 95, wherein the first component is attached to a wall.

97. The system of claim 95, wherein the first component is attached to a vehicle.

98. The system of claim 95, wherein the mating member is affixed to the housing at a rear of the display.

99. The system of claim 95, wherein the mating member is affixed to the housing at a bottom of the display.

100. The system of claim 95, wherein the protrusion is wedge-shaped.

101. The system of claim 95, wherein the display is a computer monitor.

102. A system for allowing quick electrical and mechanical coupling and decoupling of a display to a support member, the system comprising

a first component for a housing of the display, the first component having a first electrical connector and a first mating member; and

a second component for the support member, the second component having a second electrical connector and a second mating member for engaging with the first mating member to physically support the display on the support member, while the first electrical connector concurrently electrically

couples the second electrical connector to permit electrical communication between the two electrical connectors.